| In | dex | of | Claims |
|----|-----|----|--------|
|    |     |    |        |



Application No.

09/901,812 Examiner Applicant(s)

PENNICA ET AL.

Art Unit

Stephen L. Rawlings, Ph.D.

1642

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected

I Interference

A Appeal

O Objected

| Claim  |  | Date      |              |          |                                     |                                     |          |          |          |          |
|--|--|-----------|--------------|----------|-------------------------------------|-------------------------------------|----------|----------|----------|----------|
| Final  | Original                                     | 50/5/01   | 2/1/04       | 1 /      |                                     |                                     |          |          |          |          |
|  | 1  | =         | 7            | _        |                                     |                                     |          |          |          | Н        |
|  | 2  | 1         | 7            |          |                                     |                                     |          | -        | _        |          |
|  | 3  | T         | 1            |          |                                     |                                     |          |          |          |          |
|  | 1<br>2<br>3<br>4<br>5                        | Ħ         | 7            |          |                                     | _                                   |          |          |          |          |
|  | 5  |           | 1            |          |                                     |                                     |          |          |          |          |
|  | 6  | T         | 7            |          |                                     |                                     |          |          |          |          |
|  | 6<br>7                                       |           | /<br>N       |          |                                     |                                     |          |          |          |          |
|  | 8  | П         | 1            |          |                                     |                                     |          |          |          |          |
|  | 9<br>10                                      | 1         | /            |          |                                     |                                     |          |          |          |          |
|  | 10   | П         | 7            |          |                                     |                                     |          |          |          |          |
|  | 11   |           | $\checkmark$ |          |                                     |                                     |          |          |          |          |
|  | 12   |           | 1            |          |                                     |                                     |          |          |          |          |
|  | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | $\coprod$ |              |          |                                     |                                     |          | <u> </u> |          |          |
|  | 14   | П         | 1            |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | <u> </u> |          |          |
| $ldsymbol{le}}}}}}}}$ | 15   | Ш         |              | L        | <u> </u>                            | _                                   |          |          |          |          |
|  | 16   | Ш         |              |          |                                     | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> |          |
|  | 17   | Ц         | Ц            | L.       |                                     |                                     |          | L        |          |          |
|  | 18   | Ш         | 1            | ļ        |                                     |                                     |          |          | <u> </u> |          |
|  | 19   | Н         | Ш            | <u> </u> |                                     | _                                   | _        | _        |          | Ш        |
|  | 20   | Н         | Ш            |          | _                                   | L                                   | _        |          |          | Ш        |
|  | 21   | Ш         | Ц            | _        |                                     | L                                   |          |          |          | Ш        |
|  | 22<br>23                                     | Н         | 11           | _        | _                                   |                                     |          | <u> </u> |          | Ш        |
|  | 23   | Ш         | $\sqcup$     | <u> </u> |                                     |                                     | <u> </u> | _        |          | Щ        |
|  | 24   | 11        | H            | _        | _                                   | _                                   | _        | <u> </u> |          | $\sqcup$ |
|  | 25   | ∐-        | H            | _        | <u> </u>                            | _                                   |          | _        |          | Н        |
|  | 26   | ₽         | ₽            | <u> </u> |                                     | <u> </u>                            | <u> </u> | -        | _        | Н        |
|  | 27<br>28<br>29                               | H         | Н            | <u> </u> |                                     | _                                   | <u> </u> | }        | -        | $\vdash$ |
|  | 28   | ₩         | H            |          |                                     | <u> </u>                            |          | <u> </u> |          | Н        |
|  | 29   | ₩         | H            | _        |                                     |                                     |          |          |          |          |
|  | 30<br>31                                     | H         | H            |          |                                     |                                     |          |          |          | Н        |
| <u> </u>   | 32   | H         | ╫            |          |                                     | $\vdash$                            | $\vdash$ |          |          | Н        |
|  | 33   | +         | ${f H}$      |          |                                     | -                                   |          |          |          | $\vdash$ |
|  | 33<br>34                                     |           | H            | ├        |                                     | -                                   |          |          |          | Н        |
| -  | 35   | Н         | Н            | $\vdash$ | <del> </del>                        | <del> </del>                        |          |          | -        | H        |
|  | 36   | H         | ╁            |          |                                     | $\vdash$                            | -        | -        | -        |          |
|  | 37   | +         | H            |          |                                     | -                                   |          |          | -        | Н        |
|  | 38   | 1         | Н            |          |                                     | $\vdash$                            | -        | -        | -        | Н        |
|  | 39   | H         | Н            | $\vdash$ |                                     |                                     |          |          |          | Н        |
|  | 40   |           | +            | -        |                                     |                                     |          |          |          | H        |
|  | 41   | 1         | 1            | _        |                                     |                                     |          |          | -        | П        |
|  | 42   |           | $\top$       |          | İ                                   |                                     | <u> </u> |          |          | П        |
|  | 43   | 1         | 1            |          |                                     |                                     |          | T        | Г        | П        |
|  | 44   | 1         | 1            | -        | <u> </u>                            |                                     |          |          |          | П        |
|  | 45   | T         | 1            |          |                                     |                                     |          |          |          | П        |
|  | 46   |           |              |          |                                     |                                     |          |          |          |          |
|  | 47   |           |              |          |                                     |                                     |          |          |          |          |
|  | 48   |           |              |          |                                     |                                     |          |          |          |          |
|  | 49   |           |              |          |                                     |                                     |          |          |          |          |
|  | 50   | <b>\P</b> | 7            |          |                                     |                                     |          |          |          |          |

| Claim        |  | w              |          |          |  | Date         | <del></del> | -        | _  |  |
|--------------|--|----------------|----------|----------|--|--------------|-------------|----------|--|--|
|              |  | 6              | 4        |          |  |              |             |          |  |  |
| <del>-</del> | Original                                     | 0/60/01.6-     | 0        |          | -  |              |             |          |  |  |
| Final        | <u> </u>                                     | 6              | S        |          |  |              |             |          |  |  |
| L            | ō  | 6              | 1        |          |  |              |             |          |  |  |
|              | E 4  | •              |          | -        |  |              | _           | -        |  |  |
|              | 51   | ?              | ×        |          |  |              |             | _        |  |  |
|              | 52   | 1              | H        |          | _  |              |             | _        | _  | _  |
|              | 53   | 1              | 1        |          |  |              |             |          | Ļ.,  | _  |
|              | 53<br>54<br>55                               | L              | 1        |          |  |              |             |          |  |  |
|              | 55   | 1              | Ц        |          |  |              |             |          | ļ_   |  |
|              | 56<br>57                                     |                | Ц        |          |  |              |             |          |  |  |
|              | 57   |                | Ш        |          |  |              |             |          |  |  |
|              | 58   |                |          |          |  |              |             |          |  |  |
|              | 59   |                |          |          |  |              |             |          |  |  |
|              | 60   | П              | П        |          |  |              |             |          |  |  |
|              | 61   |                | П        |          |  |              |             |          |  |  |
|              | 62   |                |          |          |  |              |             |          |  |  |
|              | 62<br>63                                     | $\top$         |          |          |  |              |             |          |  |  |
|              | 64   | П              | H        | l        |  |              | М           | -        | l  |  |
|              | 64<br>65                                     | $^{\dagger}$   | 1        |          |  |              |             | $\vdash$ | <del>                                     </del> |  |
|              | 66   | <b>↓</b>       | +        | -        | $\vdash$   |              | <b></b> -   | $\vdash$ |  |  |
|              | 67   | i –            | Ė        | H        | Η  |              | <u> </u>    |          |  |  |
| -            | 68   | -              |          |          | <del> </del>                                     |              | _           | -        | _  |  |
| -            | 60   | ┢              |          |          |  | $\vdash$     | -           | -        |  |  |
| -            | 69<br>70<br>71                               |                |          |          | <u> </u>   | _            |             |          | -  |  |
| -            | 70   | -              |          | _        | <u> </u>   |              | _           |          |  | ├  |
|              | 71   | <u> </u>       | <u> </u> | <u> </u> |  | _            |             |          | _  | _  |
|              | 72   |                |          | <u> </u> | <u> </u>   |              |             |          |  |  |
|              | 73   | _              | ļ        |          | <u> </u>   |              |             |          |  | <u> </u>   |
|              | 72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | _              |          |          |  |              |             |          |  | _  |
|              | 75   |                |          |          | <u> </u>   |              |             |          |  |  |
|              | 76   |                |          |          | _  |              |             |          |  |  |
|              | 77   |                | L        |          |  |              |             |          |  |  |
|              | 78   |                |          |          |  |              |             |          |  |  |
|              | 79   |                |          |          |  |              |             |          |  |  |
|              | 80   |                |          |          |  |              |             |          |  |  |
|              | 81   |                |          |          |  |              |             |          |  |  |
|              | 82   |                |          |          |  |              |             |          |  |  |
|              | 83   | Ι-             |          |          |  |              | l           |          | T  |  |
|              | 84   |                |          |          |  |              |             |          |  | $\vdash$   |
|              | 85   |                |          |          |  |              |             | · · · ·  |  |  |
|              | 86   | t              |          |          |  | $\vdash$     | <u> </u>    | <u> </u> |  | $\vdash$   |
|              | 87   | 1-             |          | $\vdash$ | <del>                                     </del> | -            | -           | _        |  | <del>                                     </del> |
|              | 88   | $\vdash$       |          |          |  |              |             |          | <del>                                     </del> |  |
|              | 89   | <del> </del> — | $\vdash$ | $\vdash$ |  | $\vdash$     | $\vdash$    | -        | <del>                                     </del> | -  |
|              | 90   | <del> </del>   |          |          |  | <del> </del> |             |          |  | $\vdash$   |
| -            | 0.4  | $\vdash$       | -        |          |  | <u> </u>     | $\vdash$    |          |  | $\vdash$   |
| -            | 91   |                | $\vdash$ | $\vdash$ |  |              | -           | -        |  | ├  |
| -            |  | $\vdash$       | -        | $\vdash$ |  | $\vdash$     | -           | -        | $\vdash$   | -  |
| -            | 93   | ├              |          | ⊢        | <del> </del>                                     | -            |             | -        | ├  | -  |
| -            | 94   | ├-             | ļ        | -        |  | -            | _           | -        |  | -  |
|              | 95   | L              | ļ        | <u> </u> |  | _            | _           | <u> </u> | _  | _  |
|              | 96   | _              | L        | <u> </u> |  | <u> </u>     | <u> </u>    | <u> </u> | _  | _  |
|              | 97   | _              | <u> </u> |          | <b> </b>   | <u> </u>     | _           | _        | <u> </u>   |  |
|              | 98   | L              |          |          |  | <u> </u>     | $oxed{}$    | _        |  | <u> </u>   |
| L            | 99   | <u></u>        | L        | <u> </u> | L  |              |             |          |  | L  |
|              | 100  |                |          |          | L.   | <u> </u>     | <u> </u>    |          | L  | <u> </u>   |

| Claim      |            | Date   |   |          |          |          |  |          |          |              |
|------------|------------|--|---|----------|----------|----------|--|----------|----------|--------------|
| Final      | Original   |  |   |          |          |          |  |          |          |              |
|            | 101        |  |   |          |          |          |  |          | -        |              |
| <b>—</b> — | 102        |  | _   |          |          |          |  |          |          | -            |
| $\vdash$   | 103        |  |   | ١.       |          |          | -  |          |          |              |
|            | 104        |  |   |          |          | -        |  |          | -        | $\vdash$     |
| -          | 105        | _  | $\vdash$  |          | $\vdash$ |          |  | ···      |          | $\vdash$     |
| -          | 106        |  |   |          |          |          |  |          |          | ┢            |
|            | 107        | -  |   |          |          | -        |  | -        |          | $\vdash$     |
|            | 108        | <u> </u>   |   |          |          |          |  |          | -        | -            |
| <u> </u>   | 109        | -  |   | -        |          |          |  |          | _        | -            |
|            | 110        |  |   |          |          |          |  |          |          | <u> </u>     |
|            | 111        |  |   |          |          |          |  |          |          | <del> </del> |
|            | 112        |  |   |          |          |          |  |          |          |              |
|            | 113        | $\vdash$   | <del>                                     </del>  | -        |          |          |  |          |          | $\vdash$     |
|            | 114        |  |   |          | <u> </u> |          | Т  | $\vdash$ | $\vdash$ | <u> </u>     |
|            | 115        | <del>                                     </del> |   |          |          |          |  |          | _        | <u> </u>     |
|            | 116        | -  |   |          |          |          | -  |          |          | $\vdash$     |
| -          | 117        |  |   | $\vdash$ |          |          |  |          |          | <u> </u>     |
|            | 118        |  |   |          |          |          | -  |          |          |              |
|            | 119        |  |   |          |          |          |  |          |          |              |
|            | 120        | <u> </u>   |   | $\vdash$ |          | _        | _  |          | -        |              |
|            | 121        |  |   | -        |          |          |  | <u> </u> |          | _            |
|            | 122        |  |   | $\vdash$ |          |          | <del>                                     </del> | $\vdash$ |          | _            |
|            | 123        |  |   | $\vdash$ |          |          | $\vdash$   | $\vdash$ | $\vdash$ | <u> </u>     |
|            | 123<br>124 |  |   | $\vdash$ |          |          |  | <u> </u> | <u> </u> |              |
|            | 125        |  |   | Ė        | <u> </u> |          |  |          |          |              |
|            | 126        |  |   |          |          | -        |  |          | <u> </u> |              |
|            | 126<br>127 | $\vdash$   |   | $\vdash$ |          |          |  |          |          |              |
|            | 128        |  |   | $\vdash$ |          |          |  |          |          |              |
|            | 128<br>129 |  |   |          |          |          |  |          |          |              |
|            | 130        |  |   |          |          |          |  |          |          |              |
|            | 131        |  |   |          |          |          |  | Г        |          |              |
|            | 131<br>132 |  |   | _        |          |          |  |          |          |              |
|            | 133        |  |   |          |          |          |  |          |          |              |
|            | 134        |  |   |          |          |          |  |          |          |              |
|            | 135        |  |   |          |          |          |  |          |          |              |
|            | 136        |  |   |          |          |          |  |          |          |              |
|            | 137        |  |   |          |          |          |  |          |          |              |
|            | 138        |  |   |          |          |          |  |          |          |              |
|            | 139        |  |   |          |          |          |  |          |          |              |
|            | 140        |  |   |          |          |          |  |          | L        |              |
|            | 141        | _  | <u> </u>  |          | _        | _        |  |          | L        | <u> </u>     |
| L          | 142        |  |   |          |          |          | <u> </u>   | L        | <u> </u> |              |
|            | 143        | <u> </u>   | _   |          |          |          | <u> </u>   |          |          |              |
|            | 144        | ļ  |   |          |          |          |  |          | _        |              |
|            | 145        | <u> </u>   | $ldsymbol{f eta}$   |          | <u></u>  |          | Ļ  |          | L        |              |
|            | 146        |  | $ldsymbol{ld}}}}}}$ | L        | _        |          | L  |          |          |              |
|            | 147        |  | <u>_</u>  |          | <u>L</u> | L        | _  | <u> </u> |          | <u> </u>     |
|            | 148        | <u> </u>   |   | L.       |          | <u> </u> |  |          |          | <u> </u>     |
|            | 149        | <u> </u>   | L   |          | L_       | <u> </u> | <u> </u>   | <u> </u> |          | <u> </u>     |
|            | 150        |  |   |          |          |          |  |          |          | 1            |